

REMARKS

Pending Claims

Claims 1-12 and 16-21 are currently pending. Claims 13-15 were previously canceled. Claim 16 was previously withdrawn. Claims 1, 7, 11, and 17 have been amended. No new matter is added.

Rejections under 35 U.S.C. § 112, first paragraph

Claims 1, 7, 11, and 17 are rejected under Section 112, first paragraph, for failure to comply with the written description requirement. Without conceding the correctness of the rejection and solely to advance prosecution, claims 1, 7, 11, and 17 have been amended so that they no longer include the modifier “directly” in connection with sending and transmitting scripts and information. Withdrawal of the 35 U.S.C. 112, first paragraph, rejections of claims 1, 7, 11, and 17 is, therefore, respectfully requested.

Rejections under 35 U.S.C. § 112, second paragraph

Claims 1, 7, 11, and 17 are rejected under Section 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the invention, and for lack of antecedent basis for certain claim terms. Without conceding the correctness of the rejection and solely to advance prosecution, claims 1, 7, 11, and 17 have been amended to address the various rejections, as discussed below.

Claims 1, 7, 11, and 17 are rejected under Section 112, second paragraph for being indefinite for failing to particularly point out and distinctly claim the invention. As indicated above, claims 1, 7, 11, and 17 are hereby amended such that they no longer recite “directly” sending and transmitting scripts and information. Withdrawal of the 35 U.S.C. 112, second paragraph, rejections of claims 1, 7, 11, and 17 is, therefore, respectfully requested.

Claims 1, 7, and 17 are rejected under Section 112, second paragraph for being indefinite for failing to particularly point out and distinctly claim the invention. As indicated above, claims 1, 7, and 17 are hereby amended to no longer recite “update information which notifies...” and to recite “update information which indicates contents of updating to the web page.” Accordingly,

withdrawal of the 35 U.S.C. 112, second paragraph, rejections of claims 1, 7, and 17 is respectfully requested.

Claim 1 is rejected under Section 112, second paragraph for being indefinite for failing to particularly point out and distinctly claim the invention. As indicated above, claim 1 is hereby amended to recite that the detecting script and the updating script are transmitted to “plurality of terminals which view said web page.” Withdrawal of the 35 U.S.C. 112, second paragraph, rejection of claim 1 is, therefore, respectfully requested.

Claim 7 is rejected under Section 112, second paragraph for being indefinite for failing to particularly point out and distinctly claim the invention. As indicated above, claim 7 is hereby amended to recite “update information which indicates contents of updating to the web page” that is received at a terminal and transmitted to a server. Withdrawal of the 35 U.S.C. 112, second paragraph, rejection of claim 7 is, therefore, respectfully requested.

Claim 11 is rejected under Section 112, second paragraph. As indicated above, claim 11 is hereby amended to recite “a part update information which indicates an update of a part provided on the web page sent from a prescribed terminal.” Withdrawal of the 35 U.S.C. 112, second paragraph, rejection of claim 11 is, therefore, respectfully requested.

Claim 1 is rejected under Section 112 for lack of antecedent basis. As indicated above, claim 1 is hereby amended to no longer recite the limitations “the same web page” and “said received update information.” Withdrawal of the 35 U.S.C. 112, second paragraph, rejections of claim 1 is, therefore, respectfully requested.

Claims 1, 7, and 17 are rejected under Section 112 for lack of antecedent basis. As indicated above, claims 1, 7, and 17 are hereby amended to no longer recite the limitation “the result of the update” and to specify that the update information “indicates contents of updating.” Withdrawal of the 35 U.S.C. 112, second paragraph, rejections of claims 1, 7, and 17 is, therefore, respectfully requested.

Claim 1 and 7 are rejected under Section 112 for lack of antecedent basis. As indicated above, claims 1 and 7 are hereby amended to no longer recite “the resultant update information” in the second limitation. Withdrawal of the 35 U.S.C. 112, second paragraph, rejections of claims 1 and 7 is, therefore, respectfully requested.

Claim 11 is rejected under Section 112 for lack of antecedent basis. As indicated above, claim 11 is hereby amended to provide antecedent basis for the limitations “update information” and “part update information.” Withdrawal of the 35 U.S.C. 112, second paragraph, rejection of claim 11 is, therefore, respectfully requested.

Claim 11 is rejected under Section 112 for lack of antecedent basis. As indicated above, claim 11 is hereby amended to no longer recite the limitations “the same identification information,” “said login identification information,” “said retrieved update information,” and “said retrieved part update information.” Withdrawal of the 35 U.S.C. 112, second paragraph, rejections of claim 11 is, therefore, respectfully requested.

Claim 17 is rejected under Section 112 for lack of antecedent basis. As indicated above, claim 17 is hereby amended to no longer recite the limitation “said received updating script.” Withdrawal of the 35 U.S.C. 112, second paragraph, rejection of claim 17 is, therefore, respectfully requested.

Rejections under 35 U.S.C. § 103(a)

Claims 1-10, 17, 18, 20 and 21 are rejected under Section 103(a) as being obvious over U.S. Patent No. 6,950,852 (Kobayaghi et al.) in view of U.S. Publication No. 2001/0016873 (Ohkado et al.). Claims 11 and 12 are rejected under Section 103(a) as being obvious over Ohkado et al. in view of Kobayaghi et al. Claim 19 is rejected Section 103(a) as being obvious over Kobayaghi et al. and Ohkado et al. in view of U.S. Publication No. 2003/0105819 (Kim et al.).

As currently amended, claim 1 recites, among other things,

- 1) “a server... to transmit only a detecting script which detects an update to the web page and an updating script which updates the web page to said plurality of terminals which display said web page; and a means to transmit only update information sent from a prescribed terminal which indicates contents of updating to the web page to another terminal which is displaying the web page that is displayed by said prescribed terminal;” and
- 2) “terminals... to receive the detecting script and the updating script which are sent from said server and to insert said detecting script and said updating script into said web page on each of said terminals;”

As currently amended, Claim 7 recites, among other things,

- 1) “a means to receive a detecting script which detects an update to the web page, an updating script which updates the web page, and update information which indicates contents of updating to the web page from a server, and to insert said detecting script and said updating script into said web page on said terminal;” and
- 2) “a means to cause said received detecting script to detect an update to the web page being displayed and, if any, generate update information which indicates contents of updating to the web page and to transmit the update information to said server;”

As currently amended, Claim 11 recites, among other things,

- 1) “a means to transmit to a terminal only a detecting script which detects an update to the web page and an updating script which updates the web page, and to insert said detecting script and said updating script into said web page on each of said terminals;” and
- 2) “a means to first transmit only said update information and then transmit only said part update information to said another terminal.”

As currently amended, Claim 17 recites, among other things,

- 1) “server transmitting to the first terminal only a detecting script which detects an update to a web page and transmitting to said second terminal only an updating script which updates a web page, and inserting said detecting script and said updating script into said web page on said terminals;” and
- 2) “first terminal, if said detecting script detects an update to a web page, generating and transmitting to said server update information which indicates contents of updating to said web page;” and
- 3) “said server transmitting only the update information sent from the first terminal to the second terminal;”

In various embodiments, the invention includes a server which transmits only the detecting script, the updating script, and update information from a prescribed terminal to another terminal that displays the web page. Therefore, the server does not transmit the web page on which the detecting and updating scripts were embedded, nor the page updated by the script because modifying the scripts is performed on the terminals. Further, the detecting script and the updating script that modify the web page are inserted into the web page on the communicating terminals and not on the server. Thus, the server does not modify the scripts of the shared web page.

In contrast, both Kobayaghi et al. and Ohkado et al. disclose transmitting the actual page updated by a script to a terminal. Specifically, Kobayaghi et al. discloses a method and a system for sharing a browser where “the server sending the requested page, with the PageManager embedded therein, to said browser for viewing” and “means to send pages, with the PageManager embedded therein, to the plurality of computers.” See Kobayaghi et al. at col. 8, lines 32-33, 53-54. The system of Kobayaghi et al. comprises a “collaboration server” which includes a “CachinManager” that accumulates pages sent from a web server and modifies the pages with a PageManager that is embedded in each page by an Embedder, where the modified page is then transmitted to a sharing machine (i.e., a computer). See Kobayaghi et al. at col. 2, lines 2-11, 33-40. “In step 610, a browser loads an HTML page in which a PageManager is embedded.” See Kobayaghi et al. at col. 6, lines 4-5. Thus, it is clear that Kobayaghi et al. transmits the actual HTML page to a terminal, as opposed to the invention in claims 1, 7, 11, and 17 that transmits only detecting script, updating script, and update information between the terminals via a server and does not transmit the web page on which the detecting and updating scripts were embedded, nor the page updated by the script.

In further contrast to the invention required by claims 1, 7, 11, and 17, Kobayaghi et al. teaches a system that modifies the web page on the server and not on the communicating terminals. The “collaboration server” disclosed in Kobayaghi modifies the pages sent from the web server with a PageManager embedded in the received pages by and Embedder See Kobayaghi et al. at col. 2, lines 2-11, 33-40, col. 8, lines 51-54. In comparison, the invention claimed in claims 1, 7, 11, and 17 recites that the page is modified on the terminals by inserting the detecting and updating scripts into the page on each of the corresponding terminals.

The system of Ohkado et al. employs a similar mechanism as that of Kobayaghi et al., and transmits a page updated by a script between terminals via a collaboration server. The disclosed system uses cache manager 115, which is part of collaboration server 110, to embed applets and scripts into web pages outside of the customer’s browser 130. See Ohkado et al. at para. 0113, 0116, Fig. 3. “The collaboration server 110 modifies an html including a BODY tag to embed an applet and a script for detecting the structure of the html and its change.” See Ohkado et al. at para. 0098, Fig. 2. Therefore, Ohkado et al. also teaches a system that transmits the modified page to the browser terminals, where the page is modified on the collaboration

server, as opposed to the invention in claims 1, 7, 11, and 17 which only transmits update information, detecting and updating scripts, that are inserted into the page on the terminals so that the page is modified on the terminal and not on the server.

Thus, the combination of Kobayghi et al. in view of Ohkado et al. (cited against claims 1-10, 17, 18, 20, and 21) or the combination of Ohkado et al. in view of Kobayghi et al. (cited against claims 11 and 12) does not teach or suggest a system which includes, among other elements, transmitting and receiving only a detecting script, an updating script, and update information from a prescribed terminal to another terminal via a server, or inserting said detecting script and said updating script into said web page on said terminals, as recited in claims 1, 7, 11, and 17.

Since neither the combination of Kobayghi et al. in view of Ohkado et al. nor the combination of Ohkado et al. in view of Kobayghi et al. teaches or suggests all of the elements of claims 1, 7, 11, or 17, these claims are not obvious in view of these combinations and are thus allowable. For at least this reason, the remaining claims 2-6, 8-10, 12, and 18, 20, and 21 are allowable because each depends from an allowable independent claim and because each recites additional patentable subject matter.

Finally, as Kim et al. fails to supply the deficiencies of Kobayghi et al. in view of Ohkado et al., the combination of Kobayghi et al. in view of Ohkado et al. further in view of Kim et al. fails to teach all of the elements of claim 19 and thus does not render claim 19 obvious.

CONCLUSION

In view of the remarks presented herein, reconsideration and withdrawal of the pending rejections and allowance of the claims is respectfully requested. The Examiner is strongly encouraged to contact the undersigned at the phone number below should any issues remain with respect to the application.

No other fees are believed due in connection with this submission. However, if additional fees are owed, please charge Deposit Account 13-3080.

Respectfully submitted,

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Dated: June 2, 2010

Docket: 202064-9001 US00

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